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# FIFTY-SIXTH ANNUAL MEETING

KANSAS ACADEMY OF SCIENCE

McPherson, April 4 and 5, 1924

## OFFICERS FOR 1923-1924

H. P. Cady, Lawrence	President
H. H. Nininger, McPherson	First Vice-President
J. E. Ackert, Manhattan	Second Vice-President
L. D. Havenhill, Lawrence	Treasurer
E. A. White, Lawrence	Secretary
R. K. Nabours, W. A. Harshbarger, F. U. G. Agrelius, and J. T. Willard, Additional Members of the Executive Council	

## PROGRAM

### Friday, April 4, 1924

10:30 a. m. Business. Reading of Papers.  
 1:30 p. m. Business. Reading of Papers.  
 8.00 p. m. Presidential Address by H. F. Cady: "Atomic Structure"

### Saturday, April 5, 1924

8:30 a. m. Reports of Committees. Reading of Papers.  
 1:00 p. m. Meeting of the new Executive Council.

### PAPERS SUBMITTED FOR THE FIFTY-SIXTH SESSION

1. Laborers in Science. A Retrospect. E. H. S. Bailey.
2. Enough to Eat: An Economic Study. E. H. S. Bailey.
3. Ferment Like Remedial Agents. L. E. Sayre.
4. Maize and Maize Products: Sugar. L. E. Sayre.
5. Notes on the Navajo Country, Arizona. (A continuation of the 1919, 1921 and 1922 reports.) Albert B. Reagan.  
(Published in this volume of the Transactions)
6. Glacial Erratics in Shawnee, Douglas, and Johnson Counties, Kansas. Walter H. Schewe.  
(Published in this volume of the Transactions)
7. Botanical Notes for 1923. Frank Agrelius.
8. Archaeology in McPherson County. Vance N. Robb.
9. Sternberg's Expedition to the New Dinosaur Beds of San Juan County, New Mexico. Charles H. Sternberg.
10. Quantitative Measurements of Radioactivity with a Projection Electroscope. Howard M. Elsey and Ethel Ann Jones.
11. Relative Viscosity Measurements. Howard M. Elsey, C. G. H. Johnson.
12. A Note on Ground Burnut (*Tribulus terrestris*). L. D. Wooster.
13. Encouraging Public School Museums. L. D. Wooster.
14. The Oil Wells of Greenwood County. L. C. Wooster.
15. Some Phases of the Life History of the Pea Aphid (*Macrosiphon*). Edgar W. Davis.  
(Jour. Agr. Research, Vol. 33, pp. 47-57, 1926)
16. Collecting Notes, 1923. W. Knaus.
17. Life History of Cicindela. W. Knaus.
18. *Strategus mormon* Burm. W. Knaus.

19. Some Solvent Properties of Liquid Sulphur Dioxide and Phosphoric Oxy-chloride. H. P. Cady, Robert Taft.
20. The Absolute Value of an Electrode Potential. H. P. Cady, John Barker.
21. Some Factors Influencing the Viability of the Eggs of *Ascaridia pescicillum*. Ernest Hartman.  
(Anat. Rec., Vol. 26, p. 360—Abstract)
22. Notes on the Parasites of Rabbits. Bertha L. Danheim.
23. Are the Ascardis of Man and Pig Identical. James E. Ackert.
24. Notes on Insects of the Dogbane (Apocynum), with Observations on the Egg-Laying of *Chrysochus auratus* (Fab.). Wm. E. Hoffman.
25. Notes on *Velia watsoni* Drake, with Some Additions to the List of Aquatic Hemiptera of Kansas. Wm. E. Hoffman.
26. The Relation of the Common Crow (*Corvus brachyrhchos* Brehm.) to Pecan Culture. Wm. E. Hoffman.
27. K. S. A. C. Botanical Notes, 1923. Frank C. Gates.  
(Published in this volume of the Transactions)
28. Tillage and Weeds. Frank C. Gates, M. C. Sewell.  
(Ecology, Vol. 6, pp. 138-142, 1925)
29. Notes on Human Inheritance, with Charts. Robert K. Nabours.  
(Eugenic News, Vol. 11, pp. 150-159, 1920, by L. C. Thomas)
30. The Reproductive System of *Apotettix* sp. Mary T. Harman.
31. Chromosome Studies in *Cavia cobaya*. Mary T. Harman and F. P. Root.
32. Notes on the Migration of the Monarch Butterfly. Neillie M. Payne.
33. Local Longevity—Statistics from McPherson Cemetery. H. J. Harnly.
34. Systematic Effects of Bright Light. C. I. Reed.
35. A List of the Literature on Kansas Insects. J. W. McColloch.  
(Jour. Kans. Ent. Soc., Vol. 1, pp. 3-19, 1928)
36. A Preliminary Annotated List of the Ants of Kansas. Wm. P. Hayes.  
(Entomological News, Vol. 36, pp. 10-12, 39-43, 69-73, 1925)
37. Field Studies of the Diurnal Raptore of Eastern and Central Kansas. H. K. Gloyd.  
(Wilson Bulletin, Vol. 37, No. 3, pp. 133-149, 1925)
38. A New Kansas Meteorite. H. H. Nininger.  
(Published in this volume of the Transactions)
39. Notes on Kansas Meteorites. H. H. Nininger.  
(Published in this volume of the Transactions)
40. Pleistocene Fossils from McPherson County, 1921 to 1924. H. H. Nininger.  
(Published in this volume of the Transactions)
41. The Larger Fellowship of Science. Dr. Kurtz.
42. The Effect of Pure Oxygen on Animal Life. J. Willard Hershey.  
(Abstract published in this volume of the Transactions)
43. A Census of Insects in Alfalfa Fields at Manhattan. Part 1. Roger C. Smith.
44. Some Applications of Genetics to the Problems of Plant Breeding and Crop Improvement. John H. Parker.
45. Inheritance of Two New Factors in Chinchilla Rabbits. H. L. Ibsen.
46. Manganese Mineral from Central Kansas. H. C. Allen, Wm. Oberlin.
47. Examinations of Crude Oil from Welch Well, 35-20 W. H. C. Allen, Ignace Ma'm.
48. Effect of Heating on Iodine Number of Lubricating Oil. H. C. Allen, H. W. Falkowsky.
49. Effect of Boiling on Viscosity and Free Carbon in Lubricating Oil. H. C. Allen, Guy Sackett, Miles Kennedy.
50. Growth and Development of Young Great Horned Owls. Bessie P. Reed.
51. On the Occurrence of Human Tape Worms at Manhattan. A. W. Stover.

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#### MINUTES OF THE FIFTY-SIXTH ANNUAL MEETING

The meeting was called to order by the president, H. P. Cady, at 10:30 Friday morning. The minutes of the fifty-fifth meeting were read and approved. The president appointed the following committees:

Program: Nininger, Rankin.

Resolutions: Dean Sayre, Bailey, Willard.

Auditing: Ackert, L. C. Wooster.

Membership: Secretary, as chairman ex officio, and Havenhill.

Publishing: White, Willard, Dains.

Press: Knaus, Nabours.

Legislative: Dean Sayre, Dean Willard.

Research: Dains, Parker, L. C. Wooster.

Parks: McColloch, Miss Meeker, Knaus, Yates.

Nominating: Taft, Hershey, Gloyd.

Necrology: Sayre, L. C. Wooster, Bailey.

By motion each paper was limited to ten minutes. The reading of papers then proceeded. A few minutes of the Saturday session were given Professor Osborne, representing the American Association for the Advancement of Science, whose purpose was to promote the relations between the American Association and the Kansas Academy.

The committee on resolutions expressed appreciation for the entertainment committee's arranging for a luncheon and a banquet, their gratification at the completion of the Harnly Science Hall at McPherson College, and called for a rising vote of thanks to Professor White for his splendid, unselfish work in continuing as secretary and as custodian of the Academy library.

The treasurer reported \$315.40 in the treasury. The auditing committee then reported the accounts to be correct.

The membership committee reported the following new members added during the year W. B. Balch, Manhattan; R. J. Barnett, Manhattan; Edgar W. Davis, Manhattan; J. H. Bradley, Russell; H. Ernest Crow, Wichita; F. D. Farrell, Manhattan; C. A. Gunns, Manhattan; C. G. H. Johnson, Linn; F. E. Kester, Lawrence; Mary E. Kitchen, Emporia; E. H. Lindley, Lawrence; C. Wm. McCampbell, Manhattan; Ray McClellen, Lawrence; U. G. Mitchell, Lawrence; C. J. Posey, Lawrence; M. E. Rice, Lawrence; W. H. Skinner, Lindsborg; Leo. A. Sutter, Wichita; H. C. Tracy, Lawrence; P. J. Wedel, Newton; S. H. Whitcomb, Lawrence; L. D. Wooster, Hays; W. A. Wunsch, Fort Stanton, New Mexico.

Frank U. G. Agrelius and Emil Olof Deere were elected life members.

The publishing committee reported that nothing had been printed during the year on account of lack of funds.

The nominating committee reported the following for officers for 1924-1925:

President, H. H. Nininger; first vice-president, J. E. Ackert; second vice-president, F. U. G. Agrelius; treasurer, L. D. Havenhill; secretary, E. A. White; additional members of the executive council, R. K. Nabours, J. E. Welin, H. P. Cady, J. T. Willard. They were unanimously elected.

—E. A. WHITE, Secretary

## Report of the Treasurer

## Receipts:

Balance brought forward from 1923	\$271.89
Interest	10.00
Dues from A. A. A. S. members	66.00
Annual dues from K. A. S. members	41.00
Total dues received	\$107.00

Total Receipts	\$388.89
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## Expenses:

Items pertaining to office of secretary	\$ 73.49
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Cash on hand April 2, 1924	\$315.40
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—L. D. HAVENHILL, Treasurer

## FIFTY-SEVENTH ANNUAL MEETING

KANSAS ACADEMY OF SCIENCE

Manhattan, April 10 and 11, 1925

## OFFICERS FOR 1924-1925

H. H. Nininger, McPherson	President
J. E. Ackert, Manhattan	First Vice-President
F. U. G. Agrelius, Emporia	Second Vice-President
L. D. Havenhill, Lawrence	Treasurer
E. A. White, Lawrence	Secretary
R. K. Nabours, H. P. Cady, J. E. Welin, and J. T. Willard;	
	Additional Members of the Executive Council

## PROGRAM

Friday, April 10, 1925

10:30 a. m. Business. Reading of Papers.  
 1:00 p. m. Business. Reading of Papers.  
 8:00 p. m. Presidential address by H. H. Nininger: "Observations on Meteorites with Special Reference to Kansas."

Saturday, April 11, 1925

8:30 a. m. Reports of Committees. Reading of Papers.  
 11:00 a. m. Meeting of the new Executive Council.